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By KZ

Katie Zarzana
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Attorney Docket No. 15270-002120

1805
FY
CJL
PATENT
S/21/95

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

PETER A. SEUBERT et al.

) Examiner: unassigned

Serial No.: 08/466,554

) Art Unit: unassigned

Filed: June 6, 1995

) INFORMATION DISCLOSURE

For: METHODS FOR AIDING IN THE
DIAGNOSIS OF ALZHEIMER'S
DISEASE BY MEASURING
AMYLOID- β PEPTIDE (x-z41)
AND TAU

) STATEMENT UNDER

37 CFR §1.97(b) and §1.98

Assistant Commissioner for Patents
Washington, D.C. 20231

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Sep 02 1995

GROUP 100

Sir:

The references cited on attached form PTO-1449 are being called to the attention of the Examiner. A copy of each is enclosed. Applicants are filing this statement before the mailing date of the first Office Action.

It is respectfully requested that the cited information be expressly considered during the prosecution of this application, and the references be made of record therein and appear among the "references cited" on any patent to issue therefrom.

Respectfully submitted,

John R. Storella

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Docket No.:
15270-002120Serial No.:
08/466,554**LIST OF PATENTS AND
PUBLICATIONS FOR APPLICANT'S
INFORMATION DISCLOSURE****STATEMENT**

MAIL ROOM

Reference Designation*

U.S. PATENT DOCUMENTS

Examiner Initial	*	Document No.	Date	Name	Class	Sub-Class
	AA	4,666,829	05/19/87	Glenner et al.	435	6
	AB	5,387,742	02/07/95	Cordell	800	2

FOREIGN PATENT DOCUMENTS

Examiner Initial	*	Document No.	Date	Country	Trans-lation	Class	Sub-Class
	AC	WO 90/12870	11/1/90	PCT	Y		
	AD	WO 90/12871	11/1/90	PCT	Y		
	AE	WO 93/14200	7/29/93	PCT	Y		

OTHER ART (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

	AF	Glenner and Wong (1984) Biochem. Biophys. Res. Commun. 120:885-890.
		Alzheimer's Disease: Initial Report Of The Purification And Characterization Of A Novel Cerebrovascular Amyloid Protein
	AG	Kang et al. (1987) Nature 325:733-736.
		The precursor of Alzheimer's disease amyloid A4 protein resembles a cell-surface receptor
	AH	Roher et al. (1993) Proc. Natl. Acad. Sci. USA 90:1086-840.
		β -Amyloid-(1-42) is a major component of cerebrovascular amyloid deposits: Implications for the pathology of Alzheimer disease
	AI	Iwatsubo et al. (1994) Neuron 13:45-53.
		Visualization of $\text{A}\beta$ 42(43) and $\text{A}\beta$ 40 in Senile Plaques with End-Specific $\text{A}\beta$ Monoclonals: Evidence That an Initially Deposited Species Is $\text{A}\beta$ 42(43)
Examiner		Date Considered

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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Applicant: P. SEUBERT et al.

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OTHER ART (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

	AJ	Selkoe (1994) J. Neuropath. and Exp. Neurol. 53:438-447. Alzheimer's Disease: A Central Role for Amyloid
	AK	Selkoe (1991) Neuron 6:487. The Molecular Pathology of Alzheimer's Disease
	AL	Goate et al. (1991) Nature 349:704-706. Segregation of a missense mutation in the amyloid precursor protein gene with familial Alzheimer's disease
	AM	Chartier Harlan et al. (1991) Nature 353:844-846. Early-onset Alzheimer's disease caused by mutations at codon 717 of the β -amyloid precursor protein gene
	AN	Murrell et al. (1991) Science 254:97-99. A Mutation in the Amyloid Precursor Protein Associated with Hereditary Alzheimer's Disease
	AO	Suzuki et al. (1991) Science 264:1336-1340. An Increased Percentage of Long Amyloid β Protein Secreted by Familial Amyloid β Protein Precursor (β APP ₇₁₇) Mutants
	AP	Mullan et al. (1992) Nature Genet 1:345-347. A pathogenic mutation for probable Alzheimer's disease in the APP gene at the N-terminus of β -amyloid
	AQ	Glenner and Wong (1984) Biochem. Biophys. Res. Commun. 122:1111-1135. Alzheimer's Disease And Down's Syndrome: Sharing Of A Unique Cerebrovascular Amyloid Fibril Protein
	AR	Masters et al. (1985) Proc. Natl. Acad. Sci USA 82:4245-4249. Amyloid plaque core protein in Alzheimer disease and Down syndrome
	AS	Selkoe et al. (1986) J. Neurochem. 46:1820-1834. Isolation of Low-Molecular-Weight Proteins from Amyloid Plaque Fibers in Alzheimer's Disease

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	AT	Joachim et al. (1988) Brain Research 474:100-111. Protein chemical and immunocytochemical studies of meningo-vascular β -amyloid protein in Alzheimer's disease and normal aging
	AU	Hilbich et al. (1991) J. Mol. Biol. 218:149-163. Aggregation and Secondary Structure of Synthetic Amyloid β A4 Peptides of Alzheimer's Disease
	AV	Barrow and Zagorski (1991) Science 253:179-182. Solution Structures of β Peptide and Its Constituent Fragments: Relation to Amyloid Deposition
	AW	Burdick et al. (1992) J. Biol. Chem. 267:546-554. Assembly and Aggregation Properties of Synthetic Alzheimer's A4/ β Amyloid Peptide Analogs
	AX	Palmert et al. (1989) Proc. Natl. Acad. Sci. USA 86:6338-6342. The β -amyloid protein precursor of Alzheimer disease has soluble derivatives found in human brain and cerebrospinal fluid
	AY	Weidemann et al. (1989) Cell 57:115-126. Identification, Biogenesis, and Localization of Precursors of Alzheimer's Disease A4 Amyloid Protein
	AZ	Henriksson et al. (1991) J. Neurochem. 56:1037-1042. Analysis and Quantitation of the β -Amyloid Precursor Protein in the Cerebrospinal Fluid of Alzheimer's Disease Patients with a Monoclonal Antibody-Based Immunoassay
	BA	Palmert et al. (1990) Neurology 40:1028-1034. Soluble derivatives of the β amyloid protein precursor in cerebrospinal fluid: Alterations in normal aging and in Alzheimer's disease
	BB	Seubert et al. (1993) Nature 361:260-263. Secretion of β -amyloid precursor protein cleaved at the amino terminus of the β -amyloid peptide
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	BC	Podlisny et al. (1990) Biochem. Biophys. Res. Commun. 167:1094-1101 Detection Of Soluble Forms Of The β -Amyloid Precursor Protein In Human Plasma
	BD	Rumble et al. (1989) N. Engl. J. Med. 320:1446-1452. Amyloid A4 Protein And Its Precursor In Down's Syndrome And Alzheimer's Disease
	BE	Schlossmacher et al. (1992) Neurobiol. Aging 13:421-434. Detection of Distinct Isoform Patterns of the β -Amyloid Precursor Protein in Human Platelets and Lymphocytes
	BF	Wong et al. (1984) Proc. Natl. Acad. Sci USA 82:8729-8732. Neuritic plaques and cerebrovascular amyloid in Alzheimer disease are antigenically related
	BG	Selkoe (1986) Neurobiol. Aging 7:425-432. Altered Structural Proteins in Plaques and Tangles: What do They Tell Us About the Biology of Alzheimer's Disease?
	BH	Pardridge et al. (1987) Biochem. Biophys. Res. Commun. 145:241-248. High Molecular Weight Alzheimer's Disease Amyloid Peptide Immunoreactivity In Human Serum And CSF Is An Immunoglobulin G
	BI	Joachim et al. (1989) Nature 341:226-230. Amyloid β -protein deposition in tissues other than brain in Alzheimer's disease
	BJ	Selkoe et al. (1989) Neurobiol. Aging 10:387-395. Molecular Pathology of Amyloidogenic Proteins and the Role of Vascular Amyloidosis in Alzheimer's Disease
	BK	Wisniewski, Alzheimer's disease, eds. Becker and Giacobini, Taylor and Francis, N.Y. pg. 206, 1990. Alzheimer Disease, A Current Research in Early Diagnosis

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	BL	Kim and Wisniewski, Techniques in Diagnostic Pathology, eds, Bullock et al., Academic Press, Boston pg. 106. Techniques in Diagnostic Pathology
	BM	Seubert et al. (1992) Nature 359:325-327. Isolation and quantification of soluble Alzheimer's β -peptide from biological fluids
	BN	Vigo-Pelfrey et al. (1993) J. Neurochem. 61:1965-1968. Characterization of β -Amyloid Peptide from Human Cerebrospinal Fluid
	BO	Esch et al. (1990) Science 248:1122 Cleavage of Amyloid β Peptide During Constitutive Processing of Its Precursor
	BP	Anderson et al. (1991) Neuro Science Lett. 128:126-128. Exact cleavage site of Alzheimer amyloid precursor in neuronal PC-12 Cells
	BQ	Ponte et al. (1988) Nature 331:525-527. A new A4 amyloid mRNA contains a domain homologous to serine proteinase inhibitors
	BR	Tanzi et al. (1988) Nature 331:528-530. Protease inhibitor domain encoded by an amyloid protein precursor mRNA associated with Alzheimer's disease
	BS	Kitaguchi et al. (1988) Nature 331:530-532. Novel precursor of Alzheimer's disease amyloid protein shows protease inhibitory activity
	BT	Hardy (1992) Nature Genet. 1:233-234. Framing β -amyloid
	BU	Z.S. Khachaturian (1985) Arch. Neurol. 42:1097-1105. Diagnosis of Alzheimer's Disease
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		Vandermeeren et al. (1993) J. Neurochem. 61:1828-1834. Detection of τ Proteins in Normal and Alzheimer's Disease Cerebrospinal Fluid with a Sensitive Sandwich Enzyme-Linked Immunosorbent Assay
	BW	Mann et al. (1992) Neurodegeneration 1:201-295. The time course of pathological events in Down's Syndrome with particular reference to the involvement of microglial cells and deposits of β /A4
	BX	Price et al. (1991) Neurob. Aging 12:295-312. The Distribution of Tangles, Plaques and Related Immunohistochemical Markers in Healthy Aging and Alzheimer's Disease
	BY	Khatoon et al. (1992) J. Neurochem 59:750-753. Brain Levels of Microtubule-Associated Protein τ Are Elevated in Alzheimer's Disease: A Radioimmuno-Slot-Blot Assay for Nanograms of the Protein
	BZ	Goedert et al. (1989) Neuron 3:519-526. Multiple Isoforms of Human Microtubule-Associated Protein Tau: Sequences and Localization in Neurofibrillary Tangles of Alzheimer's Disease
	CA	M. Goedert (1993) TINS 16:460-465. Tau protein and the neurofibrillary pathology of Alzheimer's disease
	CB	Knops et al. (1991) J. Cell Biol. 114:725-733. Overexpression of Tau in a Nonneuronal Cell Induces Long Cellular Processes
	CC	Hachinski et al. (1975) Arch. Neurol. 32:632-637. Cerebral Blood Flow in Dementia
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Form PTO-1449 (Modified)	Docket No.:	Serial No.:
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Examiner	/Patricia Duffy/	Date Considered	05/01/2008
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